

ACC NR: AP6010131

the material subjected to etching. Orig. art. has: 3 figures.

SUB CODE: 13 / SUBM DATE: none

//

Card 2/2

mjs

ANISHKOV, A.S.

Optimum control in servo drives with asynchronous two-phase motor.  
Izv. SO AN SSSR no.10 Ser. tekhn. nauk no.3:57-63 '63.  
(MIMA 17:11)

1. Institut avtomatiki i elektrometrii Sibirskogo otdeleniya AN  
SSSR, Novosibirsk.

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5

ANISIMOV, A.S.

One form of optimum control of a.c. micromotors. Trudy Inst. avtom.  
i elektrometr. SO AN SSSR no.8:36-49 '64.

(MIRA 17:11)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5"

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5

ANISIMOV, A.S.; NEDEL'SKIY, N.M.

Some methods for raising the quality of servo systems. Trudy Inst.  
avtom. i elektrometr. SO AN SSSR no.8:50-62 '64.

(MIRA 17:11)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5"

ACCESSION NR: AP4040011

S/0288/64/000/001/0009/0017

AUTHOR: Anisimov, A. S.

TITLE: Optimum control of micro-electrodrives with constrained phase coordinates

SOURCE: AN SSSR. Sib. otd. Izv. Seriya tekhnicheskikh nauk, no. 1, 1964, 9-17

TOPIC TAGS: automatic control, optimum automatic control, automatic control synthesis, micro electrodrive

ABSTRACT: A theoretical investigation is presented of the optimum processes in micro-electrodrives which use an induction 2-phase motor and obey phase-coordinate externally-imposed constraints. A servo-type drive is considered. A set of differential equations describing the system disturbance on application of a step variable, with a constant braking torque, is solved and presented in this form:

$$U = -\frac{aP + J}{ab} x_1 + \frac{M_b}{b}$$

Card 1/2

ACCESSION NR: AP4040011

where U is the motor control parameter when the system moves along the control-region border, "a" is a coefficient, F is a mechanical (friction and rigidity) coefficient, k is a factor of proportionality, J is the rotor+load moment of inertia,  $x_2$  is the rate-of-variation of the servo error,  $M_e$  is the load braking torque. The above formula, combined with an earlier formula of the author for optimum control and formulas for conjugation and abutting points, is offered for calculating optimum servo microdrives. Orig. art. has: 3 figures and 15 formulas.

ASSOCIATION: Institut avtomatiki i elektrometrii Sibirskogo otdeleniya AN SSSR, Novosibirsk (Institute of Automation and Electrometry, Siberian Branch, AN SSSR)

SUBMITTED: 11Mar63 DATE ACQ: 18Jun64 ENCL: 00

SUB CODE: EC, IE NO REF SOV: 004 OTHER: 000

1-5008-63-ENT(3)/EMP(-)/EMP(1)/EMP(1)/EMP(1) - P2-4  
ATTACHMENT NO. 1A-5007633

870208/64/000/003/0034/0038

AUTHOR: Anisimov, A. S.; Vasil'yev, A. I.

TITLE: The determination of the response of an optimum regulator

SOURCE: AN SSSR. Sibirskoye otdelenye. Izvestiya. Seriya tekhnicheskikh nauk,  
no. 3, 1964, 34-38.

TOPIC TAGS: optimum regulator, transient process duration, minimum response,  
automatic control system

ABSTRACT: In earlier papers (Izv. SO AN SSSR. ser. tekhn. nauk, 1963, vol. 10,  
no. 3), the authors derived expressions for the switching and optimum (in the  
sense of minimum response) regulator control utilizing an asynchronous two-phase  
motor with amplitude control. However, it is impossible actually to construct a  
regulator which has an ideal switching function (it is impossible to describe the  
switching function in an ideal way by means of the characteristic of any existing  
element) and an ideal relay (one cannot design a relay which is free of hysteresis  
or lacks an insensitive zone). Nevertheless, during the design of an actual  
regulator, it is always useful to have given limits which can be approached. Also,  
it is equally important to know whether the chosen system utilizing a certain  
Card. 1/2

L-35609-63  
ACCESSION NO.: AP5007833

actuator element will start activity in operation, the dynamic requirements. Consequently, after establishing the basic equation, the authors derive a simple expression which allows the determination of the duration of the transient process with an ideal optimum regulator for arbitrary magnitude of the stepwise input signal, which depends on the parameters of the actuating motor and the object under control. The article has 15 formulas, 2 figures, and 1 table.

ASSOCIATION: Institut avtomatiki i elektrometrii Sibirekogo otdeleniya AN SSSR  
Novosibirsk (Automation and electrometry institute, Siberian Department, AN SSSR)

SUBMITTED: 01Apr64

ENCL: 00

SUB CODE: IX

NO. REF. Sov: 004

OTHER: 000

Card 2/2 (0)

L-28752-65 EWT(d)/EMP(1) R-4/Po-4/Pt-4/Pk-4/Pi-4 IJP(c) SC

ACCESSION NR: AT5003190

S/3005/64/000/008/0036/0049

AUTHOR: Anisimov, A.S.

HQ  
S9  
44

TITLE: One form of optimum control in alternating current microdrives

SOURCE: AN SSSR. Sibirskoye otdeleniye. Institut avtomatiki i elektrometrii. Trudy, no. 9, 1984. Avtomaticheskoye upravleniye nepreryvnyimi protsessami (Automatic control of continuous processes), 36-49

TOPIC TAGS: microdrive, electric drive, optimum control, dynamic programming, transient process, automatic control

ABSTRACT: The author considers the problem of obtaining an optimum transient process in microdrive systems with a two-phase asynchronous motor by optimum control of the motor. Motor control by altering the voltage on the control winding with constant voltage and phase on the excitation winding is the method discussed. A solution is obtained using the maximum principle of L.S. Pontryagin and the Bellman method of dynamic programming. The expressions derived make it possible to obtain high-quality transient processes and are easily applied, using simple technical means. Orig. art. has: 41 formulas

Card 1/2

28737-65

ACCESSION NR: A18003100

ASSOCIATION: Institut avtomatiki i elektrometrii, Sibirskoye otdeleniye AN SSSR  
(Automation and electrometric Institute, Siberian division, AN SSSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: IE

NO REF Sov: 008

OTHER: 000

8/8

28736-65 EMT(d)/EMP(1) PC-4/PC-4/PC-4/PC-4/P1-1 IJP(S) BC

ACCESSION NWL/AT6003191

5/3005/84/000/008/0060/0082

AUTHOR: Amilimov, A.S.; Nedobokov, V.M.

TITLE: Some methods for improving the quality of servo systems

SOURCE: AN SSSR. Sibirskoye omskovoje inistitut Avtomatiki i elektrometrii. Trudy no. 8. 1964. Avtomaticheskoye upravleniye nekontinuyuimi protsessami (Automatic control of continuous processes), 50-52.

TOPIC TAGS: servodrive, position error, speed error, overcontrol, servomechanism, control system, electrodrive control

ABSTRACT: The introduction of additional links from the system coordinates (derivatives) and integrals from the errors, derivatives from the controlled and assigned quantities is considered in application to a second-order servo system consisting of inertial mass, measuring, transducing and amplifying elements and a two-phase asynchronous servomotor. It is concluded that steady position error, transient time, overcontrol, the number of oscillations per transition period and completion rate in the steady regime are not isolated from one another but closely linked. In many cases the improvement of one leads to worsening of another. Because of this it is necessary to isolate a quality index for the given system and, proceeding from this, to select a means of improving the quality of

Card 1/2

I-28736-65

ACCESSION NR: AT6003101

the system... The approaches to improving system quality presented in the article provide relatively simple means for setting up servo systems which comply with the stipulated requirements. (Original art. has: 1 table, 9 figures and 27 formulas.)

ASSOCIATION: Institute of automatical electromechanics, Siberian division, AN SSSR  
(Automation and Electromechanics Institute, Siberian division), AN SSSR

SUBMITTED: 00

RECEIVED: 000

SUB CODE: 00

NO. REV: 000

OTHER: 000

2/2

I. 60397-65 EWT(s)/EMP(v)/EMP(k)/EMP(h)/EMP(l) PI-L

ACCESSION NR. AR8616977

UR/0280/85/000/003/0139/0147

/5

23

AUTHOR: Anisimov, A. B. (Novosibirsk); Vasil'yev, A. I. (Novosibirsk)

TITLE: The study of the dynamics of optimum regulators

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 3, 1965, 139-147

TOPIC TAGS: optimum regulator; actuator motor control; sectionally linear switching; stepwise interaction control; regulator transient; regulator dynamics

ABSTRACT: The qualitative pattern of the dynamics of optimum (in the sense of speed) regulators with asynchronous two-phase actuator motors (see Fig. 1 of the Enclosure) is studied for the case of stepwise interaction, sectionally linear approximation of the switching line, and substitutions of the ideal relay characteristic by characteristics of different kinds. The authors show that, depending on the direction in which the real switching line drifts away from the ideal one, the transient process within the system may either be oscillatory or go over into the gliding operating condition. For the first mentioned case, they establish analytical relations connecting, in a general manner, the parameters of the object and of the regulator with the quality indices of the transient process. These expressions may be used for the analysis and synthesis of optimum (fast) regulators. Other derived expressions allow an estimate of the quality indices of the

Card 1/3

L 60397-65

ACCESSION NR. AP5016977

transient process during changes in the object's parameters or during input interactions differing from stepwise signals. To obtain the optimum operation under the last mentioned circumstances, the switching line would have to be displaced along the phase plane. Orig. art. has: 21 formulas, 8 figures, and 1 table.

ASSOCIATION: None

SUBMITTED: 06Apr04

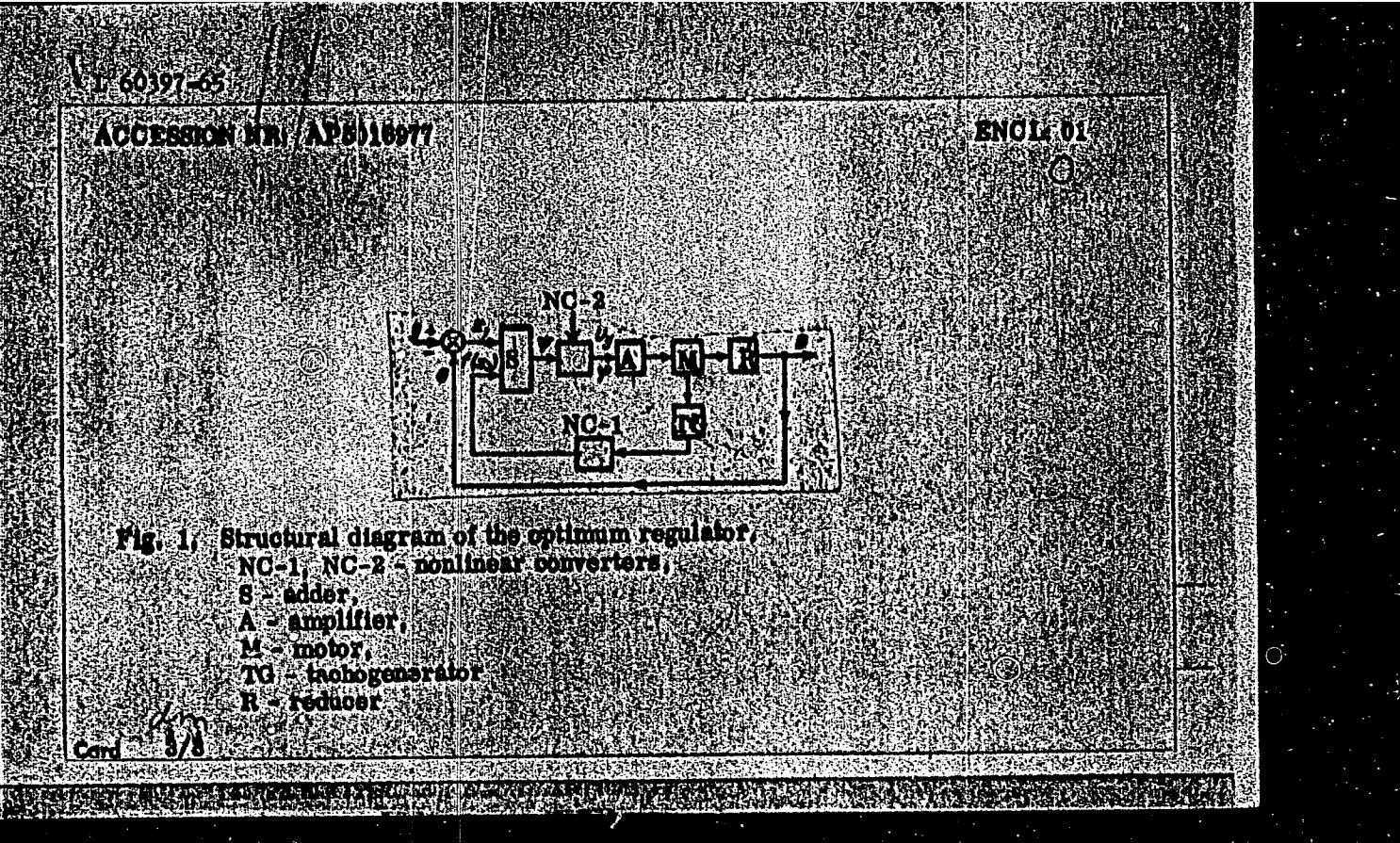
ENCL: 01

SUB CODE: 1P

NO. REF. SOV: 006

OTHER: 000

Card 2/3



APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5"

L 05238-67 EWP(k)/EWP(h)/EWT(d)/EWT(l)/EWP(l)/EWP(v)

ACC NR: AR6020530

SOURCE CODE: UR/0372/66/000/001/G015/G016

41

B

**AUTHOR:** Anisimov, A. S.; Vasil'yev, A. I.

21

**TITLE:** Synthesis of optimal controls in a microdrive system with a two-phase induction motor on taking into account the nonlinear performance characteristic of the motor**SOURCE:** Ref. zh. Kibern, Abs. 1G111**REF SOURCE:** Mezhvuz. sb. tr. Zap.-Sib. sovet po koordinatsii i planir. nauchno-issled. rabot po tekhn. i yestestv. naukam, vyp. 4, 1965, 12-23**TOPIC TAGS:** miniature electric equipment, optimal control, electric motor, control theory**ABSTRACT:** The problems of the synthesis of optimally rapid-acting controls in microdrive systems based on a 2-phase induction motor with amplitude and phase control are considered. In both cases allowance is made for the nonlinearity of the performance characteristic of the motor with respect to the control voltage and angular rotational speed of the motor. The problem is solved with the aid of the maximum principle. Equations of switching lines and formulas for optimal controls are derived. On the basis of these equations it is possible to determine the controlling part of the system during the operation of the motor at any point on

Card 1/2

UDC: 62-505

I 05238-67  
ACC NR: AR6020530

its performance curve. A special feature of optimal amplitude control is the presence of phase-plane regions in which it is necessary to realize a special control for which the magnitude of the control signal varies in accordance with a certain pattern without being equal to the maximum control value. The investigations performed showed that special control may, without involving any considerable error, be replaced with the control applying to the entire remaining phase plane. The resulting switching function is compared with the switching function derived earlier for a system with linear performance characteristic of the motor, and the limits of applicability of the latter are defined more precisely. Bibliography of 3 titles. V. Sh. [Translation of abstract]

SUB CODE: 09, 20/

Card 2/2 go

; 32740-66 EWT (1)

ACC NR: AT6011934

SOURCE CODE: UR/0000/66/000/000/0131/0138

AUTHOR: Anisimov, A.S. (Novosibirsk); Vasil'yev, A.I. (Novosibirsk)

ORG: none

TITLE: Improvement in the dynamic properties of the microelectromotors of automatic measuring systems

SOURCE: Vsesoyuznaya konferentsiya po avtomaticheskому контролю и методам электрических измерений, 5th. Avtomaticheskiy kontrol' i metody elektricheskikh izmereniy; trudy konferentsii, t. 2: Izmeritel'nyye informatsionnyye sistemy. Ustroystva avtomaticheskogo kontrolyya. Elektricheskiye izmereniya nemelektricheskikh velichin (Automatic control and electrical measuring techniques; transactions of the conference, V. 2: Information measurement systems. Automatic control devices. Electrical measurements of nonelectrical quantities). Novosibirsk, Izd-vo Nauka, 1966, 131-138

TOPIC TAGS: automatic control design, electric motor, miniature electric equipment

ABSTRACT: Asynchronous two-phase electromotors are the most widespread a. c. motors in automatic control, measuring technology, and telemechanics. Among the methods for optimizing the dynamic properties of systems is the maximum principle (L. S. Pontryagin, V. G. Boltyanskiy, R. V. Gamkrelidze, Ye. F. Mishchenko, Mathematical theory of optimum processes, M. Fizmatgiz, 1961). The present authors utilize the principle for the synthesis of optimum (with respect to speed) control systems using asynchronous two-phase micro-

Card 1/2

KOTEL'NIKOV, I.V.; POFOV, N.N.; VARAVA, V.I.; ANISIMOV, A.T.

Influence of the size and cross-section of a furnace on the technical and economic indices of blast-furnace smelting of ferromanganese. Stal' 25 no.10:880-883 O '65.

(MIRA 18:11)

1. ANISIMOV, A. V.
2. USSR (600)
4. Lymphogranuloma Venereum
7. Ulcerative genito-ano-rectal elephantiasis. Akush. i gin. no. 6 1952.

9. Monthly List of Russian Accessions, Library of Congress, March 1953. Unclassified.

ANISIMOV, A. V.

"An Outline of the Regional Pathology of the Female Genital Area Among the Population of the Mongolian Peoples Republic." Dr Med Sci, Leningrad State Pediatrics Medical Inst, Leningrad, 1953. (RZh Biol, No 2, Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)  
SO: Sum. No. 556, 24 Jun 55

*ANISIMOV, A.V.*

NIKOLAYEV, A.P., laureat Stalinskoy premii; ANISIMOV, A.V., redaktor;  
RUL'eva, N.S., tekhnicheskiy redaktor

[Studies on the theory and practice of obstetrical anesthesia]  
Ocherki teorii i praktiki obesbolivaniia rodov. [Leningrad] Gos.  
izd-vo med. lit-ry Medgiz, Leningradskoe otd-nie, 1953. 173 p.  
(MLRA 10:2)  
1. Deystvitel'nyy chlen Akademii meditsinskikh nauk SSSR (for  
Nikolayev)  
(ANESTHESIA IN OBSTETRICS)

KRYLOV, S.G.; ANISIMOV, A.V., red.; GOLICHENKOVA, A.A., tekhn.red.

[Labor and technology in the seven-year plan] Trud i tekhnika  
v semiletne. Moskva, Izd-vo VTS SPS Profizdat, 1960. 365 p.  
(MIRA 13:?)

(Efficiency, Industrial) (Automation)

ANISIMOV, A.V.; SHAPIRO, V.Ya.

Device for the determination of linear displacements of  
self-adjusting tube mandrels in the center of deformation.

Izv. vys. ucheb. zav.; tavet. met. 4 no.4:149-155 '61.

(MIRA 14:8)

1. Krasnoyarskiy institut tsvetnykh metallov, kafedra  
obrabotki metallov davleniyem.  
(Pipe mills) (Electric measurements)

SHAPIRO, V.Ya. Prinimal uchastiye: ANISIMOV, A.V.

Experimental determination of the displacement of a self-adjusting  
mandrel. TSvet. met. 34 no.11:70-77 N '61. (MIRA 14:11)  
(Pipe mills--Equipment and supplies)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5

ANISIMOV, B. G. and PROVODIN, V. V., Veterinarians, Murom Interrayon Vet  
Bacteriological Laboratory

ANISIMOV, B.G.

"Haemonchiasis of Calves"

Veterinariya, Vol 26, No 1, 1949.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5"

ANISINOV, B. I., Engineer

Canal Tech Sci

Dissertation: "Investigation of the Basic Elements  
of the Running Part of Half-Track Vehicles."

27/10/56

Moscow Automechanical Inst

80 Vecheryaya Moskva  
Sum 71

ANISIMOV, B.I., kandidat tehnicheskikh nauk.

Using radioactive isotopes in the automobile and tractor industry.  
Avt.i trakt.prom. no.11:1-8 N 156. (MIRA 10:1)

1. Moskovskiy avtozavod imeni Likhacheva.  
(Automobile industry) (Radioisotopes--Industrial applications)

ANISIMOV Boris Ivanovich, kandidat tekhnicheskikh nauk; FAYNBOIM, I.B.,  
redaktor; GUBIN, N.I., tekhnicheskiy redaktor.

[Use of radioactive isotopes in machine manufacturing] Primenenie  
radioaktivnykh izotopov v mashinostroenii. Moskva, Izd-vo "Znanie,"  
1957. 23 p. (Vsesoiuznoe obshchestvo po rasprostraneniu politicheskikh  
i nauchnykh znanii. Ser.4, no.25) (MIRA 10:11)  
(Radioisotopes--Industrial application)

TURUK, A.I., inzh.; ANISIMOV, B.N., inzh.; ATOYAN, K.M., inzh., red.  
ARTYUKHIN, V.A., red.izd-va; EL'KIND, V.D., tekhn. red.

[Catalog of spare parts for the LAZ-695B "L'viv." motorbus]  
Katalog zapasnykh chastei avtobusa LAZ-695B "L'viv." Moskva,  
(MIRA 16:5)  
Mashgiz, 1963. 259 p.

1. L'vovskiy avtobusnyy zavod.  
(Motorbuses--Catalogs)

TURUK, A.I., inzh.; ANISIMOV, B.N.; NAGORNYAK, G.A.; ATOYAN, K.M.,  
kand. tekhn. nauk, red.

[Catalog of spare parts for the LAZ-695E "L'viv" and LAZ-697E  
"Turist" motorbuses] Katalog zapasnykh chastei avtobusov  
LAZ-695E "L'viv" i LAZ-697E "Turist." Moskva, Mashinostroenie,  
1965. 319 p. (MIRA 18:5)

1. L'vovskiy avtobusnyy zavod. 2. Konstruktorsko-eksperimental'nyy  
otdel L'vovskogo avtobusnogo zavoda (for Turuk,  
Anisimov, Nagorniyak).

ANISIMOV, B.R.

Quaternary glaciation of the Ezop Range [with summary in English].  
Sov. geol. 1 no.4:158-161 Ap '58. (MIRA 11:6)

1. Dal'nevostochnaya geologicheskaya upravleniya.  
(Ezop Range--Glacial epoch)

ANISIMOV, B.V., kandidat tekhnicheskikh nauk, dotsent; TRUBNIKOV, N.V.,  
kandidat tekhnicheskikh nauk, dotsent.

Calculating machines serving mankind. Trudy MVTU no.55;3-6 '55.  
(MLRA 9:8)

(Calculating machines)

ANISIMOV, B.V., kandidat tekhnicheskikh nauk, dotsent; NESTEROV, Ye.V.,  
inzhener.

Experimental investigation of the high-speed action of some trigger  
circuits. Trudy MVTU no.55:58-61 '55. (MLRA 9:8)  
(Electronic calculating machines)

*ANISIMOV, R.V.*

SOLNTSEV, Boris Kuz'mich, inzh.; SHTEYNROK, G.Yu., inzh., vedushchiy red.;  
ANISIMOV, B.V., kand.tekhn.nauk, red.

[SGCh-VII frequency standard] Standart chastoty SGCh-VII. Moskva,  
Filial Vses. in-ta nauchnoi i tekhn.inform., 1956. 19 p. (Pribory  
i stendy. Tema 6, no.P-56-471) (MIRA 11:3)  
(Frequency measurements)

*Anisimov, B.V.*

TRUBNIKOV, N.V.; BELOV, B.I.; SAVEL'YEV, A.Ya.; ANISIMOV, B.V., kand.  
tekhn.nauk, red.

[Program controlled machine tools] Programmnoe upravlenie metallo-  
rezhushchimi stankami. Pod red. B.V.Anisimova. Moskva, 1957. 39 p.  
(Machine tools--Numerical control) (MIRA 11:3)

ANISIMOV, B. V.

"Work carried out by the Chair for Computing Machines of the Technical College imeni Bauman in Moscow."

Programmed Control of Metal Cutting Machines, report presented at All-Union Conference, Moscow, 13-16 Nov 1957  
Vestnik Ak. Nauk SSSR, 1958, No. 2, pp. 113-115, (author Kobrinskiy, A. Ye.)

ANISIJOV, B. V. i tekhn. nauk, dota.

Using electronic devices for program control of metal-cutting  
machines. Nauch.dokl.vys.shkoly; mash.i prib. no.2:190-197  
'68. (MIRA 12:10)

(Machine tools...Numerical control)  
(Electronic control)

25(1,5)

AUTHOR:

Anisimov, B.V.

SOV/159-58-3-25/31

TITLE:

A Code Pulse Program Control System for a Milling Machine

PERIODICAL:

Nauchnyye doklady vysshey shkoly, Mashinostroyeniye i priborostroyeniye, 1958, Nr 3, pp 179-184 (USSR)

ABSTRACT:

A code pulse program control system for the milling machine 5441A was developed at the Kafedra "Matematicheskiye mashiny" (Chair "Mathematical Machines") of the Moskovskoye vyssheye tekhnicheskoye uchilishche imeni Baumana (Moscow Higher Technical School imeni Bauman). It is based on a discrete servomechanism with digital feed back. The information is recorded as pulses on 35 mm wide magnetic tape on six tracks corresponding to single increments, i.e. in unitary code. The single increment values are 0.01 mm. Pulses corresponding to positive increments of the given coordinate are recorded on one track, while the pulses, corresponding to negative increments of the same coordinate are recorded on another track. The tape

Card 1/4

SOV/159-59 3-25/31

A Code Pulse Program Control System for a Milling Machine

speed is 200 mm/sec. For preparing the information a high-speed specialized computer is to be used. Such a computer is being developed at the present time. The symbolic circuits of the program control device for one coordinate are shown in figure 1. The magnetic tape with the recorded information is placed in the reading device, where the readout of pulses corresponding to single increments is performed. The voltage pulses read from the magnetic tape thru amplifiers Y<sub>1-2</sub> and shaper 3..4 enter triggers T<sub>1</sub> and T<sub>2</sub> of the separation circuit. Pulses from the measuring unit enter the inputs of triggers T<sub>3</sub> and T<sub>4</sub>. The purpose of this circuit consists in spacing within time the input pulses and pulses coming from the measuring unit. After separation the pulses enter the reversible counter where the algebraic summation is performed. The signals of single increments of coordinate Δx<sub>n</sub> are continuously fed thru the spacing device into the reversible counter. Thru the feed-

Card 2/4

SOV/159-58-3-25/31

**A Code Pulse Program Control System for a Milling Machine**

back circuit, signals are fed to the reversible counter corresponding to the actual travel of the machine tool table  $\Delta x_3$ . A number code is formed in the counter corresponding to the difference of the required  $x_m$  and the actual  $x_3$  of the position of the work table, where  $x_m = 127$ ,  $x_3 = 117$ . In this way the number code  $\Delta x$  will appear at the counter trigger outlets. In the decoder circuit the code of the number  $\Delta x$  is converted into voltage, the amplitude of which is proportional to  $\Delta x$ . This voltage controls the power drive with an electromechanical amplifier EMU-5A. The author describes in further detail the spacing of pulses, the reversible counter, the decoder, and the measuring unit. The latter consists of a photoelectric circuit with a disk. The code pulse program control system is suitable for controlling universal milling machines when processing complicated parts requiring increased accuracy. When converting the milling machine 6441A for program control without changing the power drive, the maximum accuracy of

Card 3/4

SOV/159-58-3-25/31

A Code Pulse Program Control System for a Milling Machine

blanks will not be higher than 0.05-0.1 mm. The author states at the end that it is possible to increase the precision of the machine tool by using another power drive. Experimental investigations showed that the maximum unbalance at accelerations found with normal processing conditions does not exceed 5-8 pulses which correspond to an accuracy of 0.05-0.08 mm. There are 5 circuit diagrams.

This article was presented by the Kafedra "Matematicheskiye mashiny" Moskovskogo vysshego tekhnicheskogo uchilishcha imeni Baumana (Chair "Mathematical Machines" of the Moscow Higher Technical School imen' Bauman)

SUBMITTED: April 4, 1958

Card 4/4

ANISIMOV, B.V.; VINOGRADOV, Yu.V.

Accuracy of a voltage-to-digital converter with feed back.  
Nauch.dokl.vys.shkoly; mash.i prib. no.4:210-219 '58.

(MIRA 12:5)

1. Stat'ya predstavlena kafedroy "Matematicheskiye mashiny"  
Moskovskogo vysshego tekhnicheskogo uchilishcha im. Baumana.  
(Electronic calculating machines)

ANISIMOV, B.V., Doc Tech Sci -- (disc) "Problem of theory and  
planning of systems of program control of metal-cutting machine  
tools." (Mos, 1959). 16 pp with diagrams (Min of Higher Education  
USSR. Mos Order of Lenin and Order of Labor Red Banner Higher Techni-  
cal School in Baumann). 150 copies (EL, 37-59, 107)

27

Anisimov, B.V.

28(2) P.2

PHASE I BOOK EXPLOITATION

SOV/2906

Moscow. Vyssheye tekhnicheskoye uchilishche imeni Baumana. Kafedra  
matematicheskikh mashin

Vychislitel'naya tekhnika (Computer Techniques) Moscow, Mashgiz, 1959.  
153 p. (Series: Moscow. Vyssheye tekhnicheskoye uchilishche.  
Sbornik, No. 2) 2,500 copies printed.

Ed.: B.V. Anisimov, Candidate of Technical Sciences; Tech. Eds.:  
B.I. Model' and A.F. Uvarova; Managing Ed. for Literature on  
Machine Building and Instrument Construction: N.V. Pokrovskiy,  
Engineer.

PURPOSE: This book may be useful to Aspirants and other students  
specializing in computer technology, and also to designers and  
engineering and technical personnel who make use of electronic  
computers.

COVERAGE: The book is a collection of articles written by the mem-  
bers of the Department of Mathematical Machines at the Moskovskoye vys-  
shoye tekhnicheskoye uchilishche imeni Baumana (Moscow Higher Technical

Card 1/8

Computer Techniques

SOV/2906

Anisimov, B.V., Candidate of Technical Sciences, and V.N. Golubkin,  
Candidate of Technical Sciences. Analysis of the Quality of Servo-  
Systems With Discrete Element

32

Dobrov, Ye.V., Engineer. The Effect of Block Diagram Parameters on  
the Performance Quality of a Tubeless Direct Current Operational  
Amplifier

46

Anisimov, B.V., Candidate of Technical Sciences, V.N. Golubkin,  
Candidate of Technical Sciences, and Yu.M. Dovzhenko, Engineer.  
Device for Transforming the Form of Recording of a Program

56

Vlasenko, V.I., Candidate of Technical Sciences, G.S. Zhdanov,  
Professor, A.M. Dement'yev, Engineer, and I.M. Antonova, Engineer.  
Method of Forming the Images of Numbers by Means of a Ferrite  
Matrix

64

Shreyder, Yu.A., Candidate of Physical and Mathematical Sciences.  
The Connection Between the Parameters of an Algorithm and of a  
Machine

70

Card 3/8

7

04/03/2001

PRIVEZENTSEV, Vladimir Alekseyevich; ANISIMOV, B.V., inzh., retsenzent;  
TROITSKIY, I.D., kand.tekhn.nauk, retsenzent; NYHKOV, Ye.S.,  
kand.tekhn.nauk, retsenzent; LINKOV, A.V., inzh., red.;  
MATVEYEV, G.I., tekhn.red.

[Magnet wires with enameled and fiber-type insulation] Obmotochnye  
provoda s emalevoi i voloknistoi izoliatsiei. Izd.3., perer.  
Moskva, Gos.energ.izd-vo, 1959. 448 p. (MIRA 12:7)  
(Electric wire, Insulated)

ANISIMOV, B.V.; KUZIN, Ye.S.; DOVZHENKO, Yu.M.

Selecting the logical system and parameters of a calculating  
machine used for program control. Nauch. dokl. vys. shkoly; mash.  
i prib. no.2:183-189 '59. (MIRA 12:12)  
(Electronic calculating machines)

28 (2)

AUTHOR: Anisimov, B. V., Candidate of Technical Sciences SOV/119-59-8-14/15

TITLE: A Useful Book

PERIODICAL: Priborostroyeniye, 1959, Nr 8, p 33 (USSR)

ABSTRACT: The book *Vychislitel'nyye matematicheskiye pribory* (Computers) published by V. V. Vasmanov is reviewed. The book was published by the Mashgiz Publishing House in 1958 (206 pages, price: 7.50 Rubles). It consists of six chapters and investigates the economic-technical characteristic features of various computers made by European firms. Several faults in the text and with respect to the illustrations are pointed out, and, in conclusion, the book is described as being very useful.

Card 1/1

SOLQDOVNIKOV, V.V., prof., doktor tekhn.nauk, red.; BOGOLYUBOV, N.N., akademik, red.; ISHLIMSKIY, A.Yu., akademik, red.; KAZAKEVICH, V.V., prof., doktor tekhn.nauk, red.; LYAPUNOV, A.A., prof., doktor fiz.-mat.nauk, red.; PETROV, B.N., red.; POPOV, Ye.P., prof., doktor tekhn.nauk, red.; POSPELOV, G.S., prof., doktor tekhn.nauk, red.; RYABOV, B.A., prof., doktor tekhn.nauk, red.; ANISIMOV, B.V., dotsent, kand.tekhn.nauk, red.; PETROV, V.V., dotsent, doktor tekhn.nauk, red.; PLOTNIKOV, V.N., dotsent, kand.tekhn.nauk, red.; USHIKOV, V.B., doktor tekhn.nauk, red.; POLYAKOV, G.F., red.izd-va; SOKOLOVA, T.F., tekhn.red.

[Automatic control and computer engineering] Avtomaticheskoe upravlenie i vychislitel'naia tekhnika. Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry. No.3. 1960. 489 p.  
(MIRA 13:7)

1. Chlen-korrespondent AN SSSR (for B.N.Petrov).  
(Automatic control) (Electronic calculating machines)

S/588/61/000/004/007/011  
D234/D303

AUTHOR: Anisimov, B.V.

TITLE: Algorithms for the automatic preparation of information for machine tools with programmed control

SOURCE: Avtomaticheskoye upravleniye i vychislitel'naya tekhnika, no. 4, Moscow 1961, 283 - 305

TEXT: The author gives a general description of the algorithms and requirements which they should satisfy. Preparation of initial data for the computer, the algorithms used by the latter, and the methods of representing the results of solution are considered in a series of examples. These are: 1) Case of the profile being given in the form of straight line segments and circular arcs; 2) Profile given in the form of analytical equations, explicit or implicit; 3) Profile given in tabular form; 4) Profile given in graphical form. Preparation of data for non-plane components is also discussed, (the case considered is that of a steam turbine blade). There are 6 figures and 11 references: 7 Soviet-bloc and 4 non-Soviet-

Card 1/2

ANISIMOV, B.V.; CHERVERIKOV, V.N.; KOBIRINSKY, I.Ye., doktor tekhnicheskikh nauk, prof., retsensent; SMOLOV, V.P., doktor tekhnicheskikh nauk, prof., retsensent

[Principles of the theory and design of digital computers]  
Osnovy teorii i proektirovaniia tsifrovym vychisliteli-nykh mashin. 2., ispr. i dop. izd. Moscow, Masinostroyenie, 1965. 483 p. (MIRA 1843)

41202

S/194/62/000/007/025/160  
D222/D309

1.7000

AUTHORS: Anisimov, B.V., Dovzhenko, Yu.M., and Kuzin, Ye.S.

TITLE: A special purpose computer for the preparation of information for program-controlled machine-tools

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 7, 1962, abstract 7-1-138 shch (In collection: Primeneniye vychisl. tekhniki dlya avtomatiz. proiz-vya M., Mashgiz, 1961, 295 - 306)

TEXT: One of the most promising methods of preparing machine parts having complex curved surfaces is the use of program-controlled milling machines. The information on the required machining containing the values for the coordinates of the center of the cutter at successive time intervals, and instructions for the execution of various auxiliary actions is recorded on a special carrier and is decoded by a unit located near the machine. At the department of VM MVGU, im. Baumana (VM MVGU im. Bauman) a simple special-purpose computer has been designed which is sufficiently fast for the preparation of information. The initial information contains the co-

Card 1/3

A special purpose computer for ...

S/194/62/000/007/025/160  
D222/D309

ordinates of a number of points of the surface, data on the transitions between the different sections of the components and a number of technological details. The output information must contain the coordinates for all the intermediate positions of the center of the cutter which it must occupy successively during the process (this is coded in a form convenient for the information processing unit). The special purpose computer МПИ (MPI) has two arithmetic units: a proper arithmetic unit (operating speed 50 operations per second) in which the technological calculations related to the optimal machining regimes are executed, the boundaries of the sections with various points of the surfaces are determined, and the parameters of the cutter trajectory are calculated, and an interpolator (operating speed 4000 operations per second) used in calculations of interpolational formulas to determine the intermediate points of cutter position. An analysis has shown that the whole variety of surfaces and transitions of components can be reduced to a number of standard subroutines. For the majority of components the set of standard subroutines, and also their sequencing is similar. The standard subroutines must be kept in storage, and before the solution a control program is called in. A magnetic drum is used as the

Card 2/3

S/146/61/.04/005/011/011  
D221/D305

AUTHORS: Anisimov, S.V. and Kurganov, V.D.

TITLE: The main tendencies in automation and mechanization  
of industrial processes in machine construction

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Priboro-  
stroyeniye, v. 4, no. 5, 1961, 135-140

TEXT: A review of the main papers read at a conference  
held on February 22-25, 1961 at LVTU. There were five sections de-  
voted to the following subjects: 1) Progressive technological pro-  
cesses and their application in automation; 2) Construction of sec-  
tions and lines of automatic production; 3) Automatic machines and  
computer techniques; 4) Automatic control; 5) Transport and loading  
devices and their development. The prospects of automatic welding  
and the new technology were discussed by Professor G.A. Nikolayeva  
of the LVIU. The complex automation and its economical aspects  
were the subject of the paper read by Professor G.I. Shauyan of

Card 1/3

The main tendencies in automation...

S/146/61/004/005/011/011  
D221/D505

the MFTU. The report of Professor A.V. Anisimov of the MFTU was devoted to the automation of machine tools with the use of electronic computers. The programmed control consists of two main and independent devices: preparation of the information and the analysis of the former. It was pointed out that the preparation is often made with primitive methods and without consideration of the dynamic errors introduced by the control devices. G.A. Kiselev, Docent of MFTU, reported on the development of problems concerning the theory and practice of creating automated sections in mass manufacture which can be real. Emphasis was laid on the technical and economic comparison of various modes of automated processes. The problem of automated assembly was dealt with by Professor Kapustin of the VZITLP. The automatic preparation of information for machine tools with programmed control was discussed by Candidate of Technical Sciences, Ye.S. Kuzmin of the MFTU. The paper of Professor A.V. Netushil, Docent G.K. Krug and Chief Engineer E.K. Letskiy of the MFTU dealt with the application of "instruction" systems for the automation of involved manufacturing processes. The use of

Card 2/5

The main tendencies in automation...

S/146/61/004/005/011/011  
D221/D305

6

electric modelling installations in the design of machines with cyclical automation was reported by A.N. Kuturov and N.N. Chukanov of the Tul'skiy mekhanicheskiy institut (Tula Mechanical Institute). The papers of the Manager of KB Moskovskiy instrumental'nyy zavod (Design Office of the Moscow Tool Factory), Engineer L.M. Semenov and others drew the attention to the lack of a sufficient quantity of reliable and precise automatic means of control which hinders the wide introduction of automation. The scientists of universities, such as MVTU im. Baumana (MVTU im. Bauman), Novostankin, NMI etc., carry out development work in designing and introducing automatic quality control. The problems of transport systems with automatically reset lines were read by the Chief Designer, I.I. Slutskiy; the theory and practice of transporting machines by Docent of Moskovskiy tektil'nyy institut (Moscow Textile Institute), I.Ya. Nikonov; the automation of conveyor systems - by Chief Engineer of Glavuglcmash, G.I. Dreyer, etc.

Card 3/3

ANISIMOV, B.V.; CHETVERIKOV, V.N.; KORBINSKIY, N.Ye., doktor tekhn.  
nauk, prof.; retsenzent; TAKHMANOV, G.I., kand. tekhn. nauk,  
retsenzent; DOBROGURSKIY, S.O., doktor tekhn. nauk, red.;  
YELISEYEV, M.S., red. izd-va; EL'KIND, V.D., tekhn. red.

[Fundamentals of the theory and design of digital computers]  
Osnovy teorii i proektirovaniia tsifrovyykh vychislitel'nykh  
mashin. Moskva, Mashgiz, 1962. 431 p. (MIRA 15:10)  
(Electronoc digital computers)

S/588/62/000/005/003/004  
I011/I242

AUTHOR: Anisimov, B.V.

TITLE: Mathematical preparation of input data for machines with program control

SOURCE: Avtomaticheskoye upravleniye i vychislitel'naya tekhnika. no.5. Moscow, 1962, 295-317

TEXT: A method of programming problems in machining of parts is proposed, when technological and structural factors as well as the operational possibilities of the machine tool are taken into consideration. The information is prepared in 2 steps. The curve of the tool movement in relation to the machined part is broken into some sections, each of which is approximated by a second or fourth degree parabola. The border points of the sections and the curve coefficients are computed. The data computed in the first step are transformed in the second step by a fast adder into a unitary or phase code. For the first step four methods of dealing with flat parts to be machined on a milling machine are presented: (1) a com-

✓

Card 1/2

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5

ANISIMOV, B.V., doktor tekhn. nauk, prof.

Correction of the dynamic errors of machine tools with program  
control. Vych. tekhn. [MVTU] no.3:5-16 '63. (MIRA 17:2)

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5"

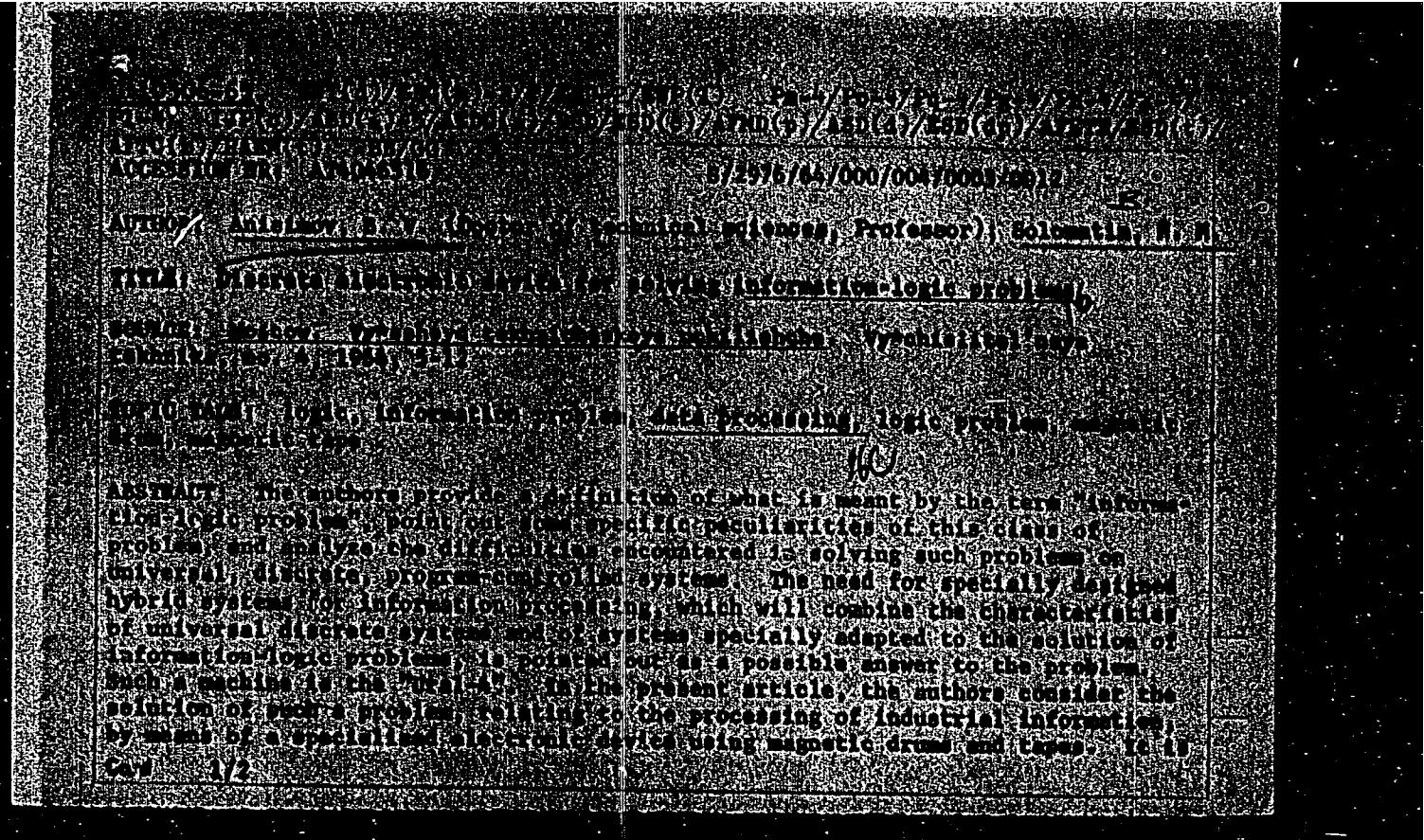
ANISIMOV, B.V., doktor tekhn. nauk, prof.; SOLOMATIN, N.M., inzh.

Some characteristics of cores with a rectangular hysteresis loop.  
Vych. tekhn. [MVTU] no.3:54-66 '63.

Control of cores with rectangular hysteresis loops. Vych.  
tekhn. [MVTU] no.3:122-142 '63. (MIRA 17:2)

ANISIMOV, B.V., doktor tekhn. nauk, prof. (Moskva); KURGANOV, V.D.,  
kand. tekhn. nauk (Moskva); KHOMYAKOV, K.S., inzh. (Moskva);  
VERETENNIKOV, Yu.N., inzh. (Moskva); NIGAY, A.A., inzh. (Moskva)

Digital display device using a typotron. Elektrichestvo no.8:  
52-56 Ag '63. (MIRA 16:10)



L-10506-65 ACCESSION NR: A14046516		
<p>Pointed out that, from the point of view of discrete technology, the unit of information to be processed has two parts consisting of two parts. The information about the characteristics and algorithmic nature of these parts are fully described, with special attention to the recovery of the information. The rules for writing the circuit elements of the algorithmic part of the equipment are also followed in the execution of the algorithmic part of the device. A block diagram is given for a discrete device capable of carrying out the algorithmic functions. It is proposed that this device is said to have the following characteristics: word contains 20 binary digits, of which 19 are assigned to the content. Two magnetic tape recorders are employed with a capacity of 10,000 nineteen-place binary-digits each, and three tape-advance mechanisms with four tape recorders in each. The capacity of one recorder is 25,000 nineteen-place binary-digit numbers. Drives are provided for figure and 9 formats.</p>		
ASSOCIATION: None		
SUMMARY(00)	00000000000000000000000000000000	KOOL(00)
NO REP 80V(00)	00000000000000000000000000000000	OTHER(000)
Card 2/2		SUB CODE(00) DP

I-13073-65 EWT(d)/ESC(k)-2/ECD-2/EWP(1) P<sub>2-L</sub>/P<sub>k-L</sub>/P<sub>o-L</sub>/P<sub>d-L</sub> TET(c)  
AMETR/AVTC(b)/BSD/ASD(a)-5/RADM(1)/PSD(dp) (K/BR)

ACCESSION NO. AWM046525

8/2976/64/000/004/0090/0098

AUTHORS: Avtor: V. I. V. S. Golovina, N. M.

TITLE: Device for recording synchronizing and control pulses on a magnetic drum

SOURCE: Moscow, Vysshaya Tekhnicheskaya Literatura, Vychislitel'naya  
Tekhnika, no. 1, 1970, p. 60-64.

TOPIC CODE: magnetic drum, drum storage, computer memory, control pulse recording,  
synchronizing pulse recording

ABSTRACT: Among the different methods of placing the synchronizing and control pulses on a magnetic drum memory, particular attention is directed to the mechanical and the magnetic methods. The disadvantages of the former are noted, and various non-mechanical (principally magnetic) techniques for recording the pulses on one- and three-track drums are considered. The authors note that in almost all cases the suggested methods for recording synchronizing and control pulses on magnetic drums involve either a separate discrete system (thus being unacceptable in a general case) or the development of separate and independent mechanisms which are excessively primitive and, thus, also fail to provide a solution to the problem in a general sense. In the present article the authors consider an

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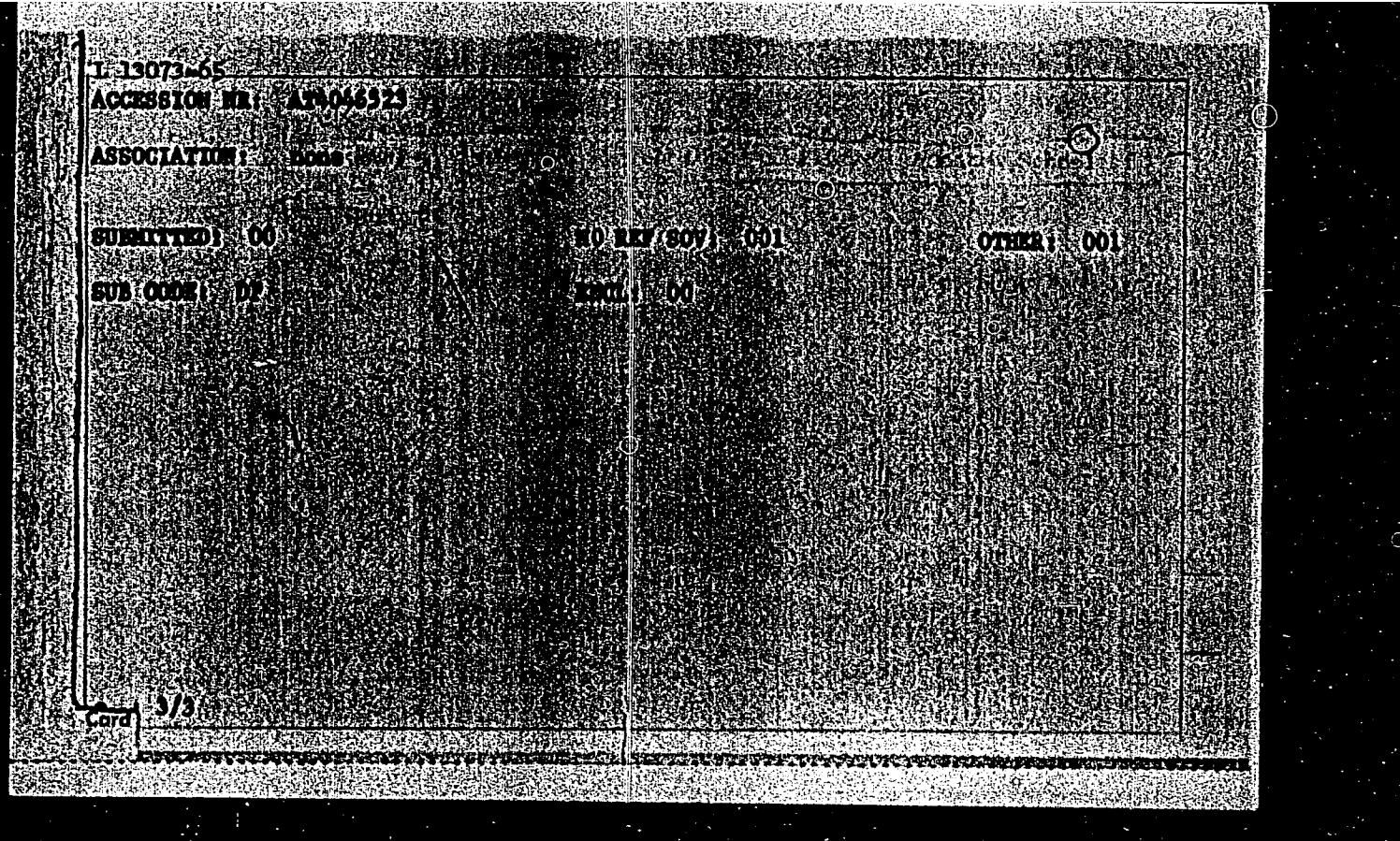
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electronic device for recording, synchronizing and control pulses which provides a solution to the problem of a magnetic tape. Specifically, it permits: 1) the marking off of drums on which the working information is recorded and reproduced by the sequential, parallel or sequential-parallel methods; 2) the assignment of any number of synchronizing and control pulses; 3) the varying of the frequency of the synchronizing and control pulses; 4) the marking off of a magnetic drum during one revolution for all tracks simultaneously (after which the device is switched off); 5) the marking off of the drum in a selected, arbitrarily selected position on the drum, and also in a forced manner on a certain pulse inscribed on the drum; 6) the simultaneous marking of several drums. An operational diagram of the device is given and the operation of the recording and control pulses on three tracks (as required in the initial proposal) is analyzed on the basis of an example involving the recording of synchronizing and control pulses on three tracks. Individual circuit components of the device are described, and to somewhat greater detail, these include the timer, the recording and reading amplifier, and the reproduction unit (radio). It is indicated that the device can be used to check both of the units as a whole and/or the individual components. The proposed operation is quite reliable.

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ACC NR: AM6004714 Monograph

UR/

Anisimov, B. V.; Chetverikov, V. N.

Principles of the theory and designing of digital computers (Osnovy teorii i proyektirovaniya tsifrovlykh vychislitel'nykh mashin) 2d ed., rev. and enl. Moscow, Izd-vo "Mashinostroyeniye", 1965. 483 p. illus., biblio. Textbook for institutions of higher technical education. 14,000 copies printed.

16C 55  
51 B+1

TOPIC TAGS: electronic computer, data processing equipment, computer input unit, computer output unit, arithmetic unit, computer control systems, punched card, punched paper tape, reading machine, computer logic, computer storage device, logic unit

PURPOSE AND COVERAGE: This manual intended for students in schools of higher education, has been compiled for use in a course entitled "Mathematical and Computing Instruments and Devices." It can also be used by technical personnel concerned with the design of digital computers. The manual discusses the theory and design of digital computers, methods for calculating basic logic circuits and digital computers based on various physical principles. The manual is based on lectures delivered by the authors during a period of several years

Card 1/8

UDC 681.142.32.001.1.001.12 (075.8)

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at the Moscow School of Higher Technical Education im. Bauman.

## TABLE OF CONTENTS

Foreword -- 3

Introduction -- 4

Ch.I. Electromechanical Digital Computers -- 10

1. Small digital computers -- 10

Input and transfer mechanisms -- 13

Counting mechanisms (Counters) -- 18

Drive mechanisms -- 26

Digit-transfer mechanisms -- 29

2. Calculating and punching computers -- 31

Operating principle of a calculating-and punching-computer set-31

Punchers -- 35

Control devices -- 44

Sorters -- 48

Tabulator -- 54

Ch.II. Electronics Digital Computers -- 64

1. General information -- 64

2. Number systems -- 70

Card 2/8

L 08508-67  
ACC NR: AM6004714

- Nonpositional systems -- 70
- Positional systems -- 71
- Binary-coded systems -- 75
- 3. Fundamentals of logic algebra -- 77
- 4. Forms of numerical representation in a computer -- 88
- Ch.III. Basic Logic Components and Units of Computers -- 91
  - 1. Inverters -- 93
    - Statistical inverters using vacuum triodes -- 94
    - Statistical inverters using transistors -- 98
    - Calculation of potential-inverter fixed states -- 101
    - Inverters using ferrites -- 107
    - Calculation of optimal inverter-operation conditions -- 113
  - 2. Collecting circuits -- 119
    - Collecting circuits using semiconductor diodes -- 120
    - Collecting circuits using electron tubes -- 128
    - Collecting circuits using ferrite cores -- 129
  - 3. Coincidence circuits -- 130
    - Coincidence circuits using semiconductor diodes -- 131
    - Coincidence circuits using electron tubes -- 134
    - Coincidence circuits using transistors -- 136
    - Diode-transformer coincidence circuits -- 138
    - Coincidence circuits using ferrite cores -- 141

Card 3/8

Magnetostriuctive lines -- 207  
Electromagnetic lines -- 208

Card 4/8

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L 08508-67

ACC NR: AM6004714

O

- 3. Magnetic-recording storage devices -- 214
    - Principles of recording and reading -- 215
    - Magnetic drum -- 220
    - Calculation of drum deformation -- 226
    - Magnetic tape -- 232
    - Magnetic cards -- 235
  - 4. Storage devices using magnetic cores -- 238
    - Storage devices using ferrites -- 238
    - Storage devices using transfluxors -- 249
  - 5. Storage devices using cathode-ray tubes -- 253
  - 6. Perforated cards and tapes -- 264
  - 7. Storage devices based on other elements -- 267
    - Storage devices using diodes -- 267
    - Storage devices using relays -- 270
    - Static-paper storage devices -- 271
    - Ferroelectric storage devices -- 274
    - Storage devices using cryotrons -- 276
- Ch.V. Arithmetic Devices -- 280
- 1. Accomplishment of elementary operations -- 280
    - Direct code -- 282
    - Auxiliary code -- 283

Card 5/8

1 08508-67

ACC NR: AM6004714

3. Information-output devices -- 348  
Functional circuits -- 349  
Printers -- 352
4. Analog-to-digital data conversion -- 357  
Quantization and coding -- 357  
Angle-to-digital converters -- 361  
Methods of eliminating reading errors -- 365  
Coding with intermediate conversion in a time interval -- 373  
Voltage conversion -- 382
5. Digital-to-analog conversion -- 392  
Number-to-voltage conversion -- 392  
Number-to-angle of rotation conversion -- 399

Ch.VII. Control Devices -- 404

1. Command systems and the order in which they are obeyed -- 404
2. Control devices -- 406  
Central control unit -- 408  
Command control unit -- 410  
Operation control unit -- 412  
Control desk -- 415
3. Computer-operation control -- 416  
General principles of fault detection -- 416

Card 7/8

L 08508-67  
ACC NR: AM6004714

Methods of processing a primary recording medium -- 424  
Preventive control -- 424  
Systems of automatic fault scan -- 429

Ch.VIII. Fundamentals of Electronic Computer Designing -- 433

1. Selection of computer design -- 433
2. Cooling of computer -- 440
3. Power supply -- 446
- , 4. Reliability of electronic computers -- 450
5. Basic characteristics of some Soviet electronic computers -- 459

Bibliography -- 480

SUB CODE: 09/ SUBM DATE: 12Jan65/ ORIG REF: 017/ OTH REF: 001

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L 45965-66 EWT(1) SCTB: DD/RD/JKT/GD/JXT(CZ)  
ACC NR: AT6030695

SOURCE CODE: UR/0000/66/000/000/0035/0051

AUTHOR: Nefedov, Yu. G.; Anisimov, B. V.; Veselova, A. A.; Zaloguyev, S. N.;  
Zhuravlev, V. V.; Iseyev, L. R.; Komarov, N. N.; Kartsev, A. N.; Ivanenko, G. T.;  
Levinshiy, S. V.

ORG: none

TITLE: The aeroion composition of the air of hermetic chambers and its influence on  
the human organism *✓* 54 B+1

SOURCE: Konferentsiya po kosmicheskoy biologii i meditsine, 1964, Materialy.  
Moscow, Inst. mediko-biol. problem, 1966, 35-51

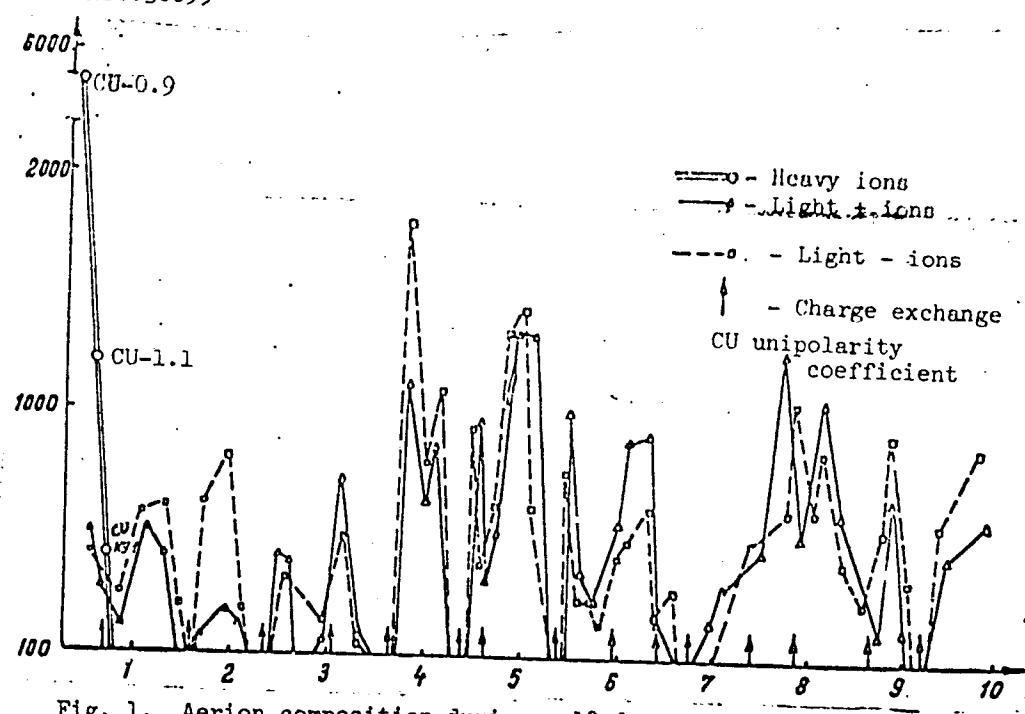
TOPIC TAGS: aeroionization, human physiology, life support system, space physiology

ABSTRACT: A number of previous studies have indicated that while aeroions are of minor consequence, chronic exposure to them can lead to substantial changes in the functional condition of the organism. To further study this factor, five experiments of 20 days duration were conducted on 25 male volunteers from a laboratory (not named). The first experiment was for control purposes to obtain hygienic, chemical, and physiological data. The density of ions in this experiment ranged from 50—2000 pairs of ions/cm<sup>3</sup>. The second, third, and fourth experiments entailed exposure to positive, negative, and bipolar ions generated by "Shteynbok" radioactive ionizers. Ion concentration in the respiratory zone was 700—900 thousand ions/cm<sup>3</sup>

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Card 2/8

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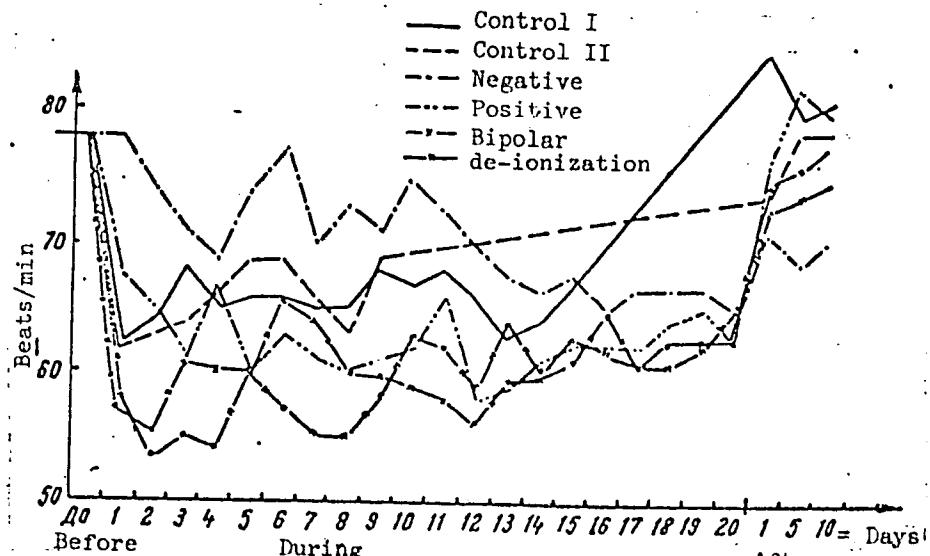
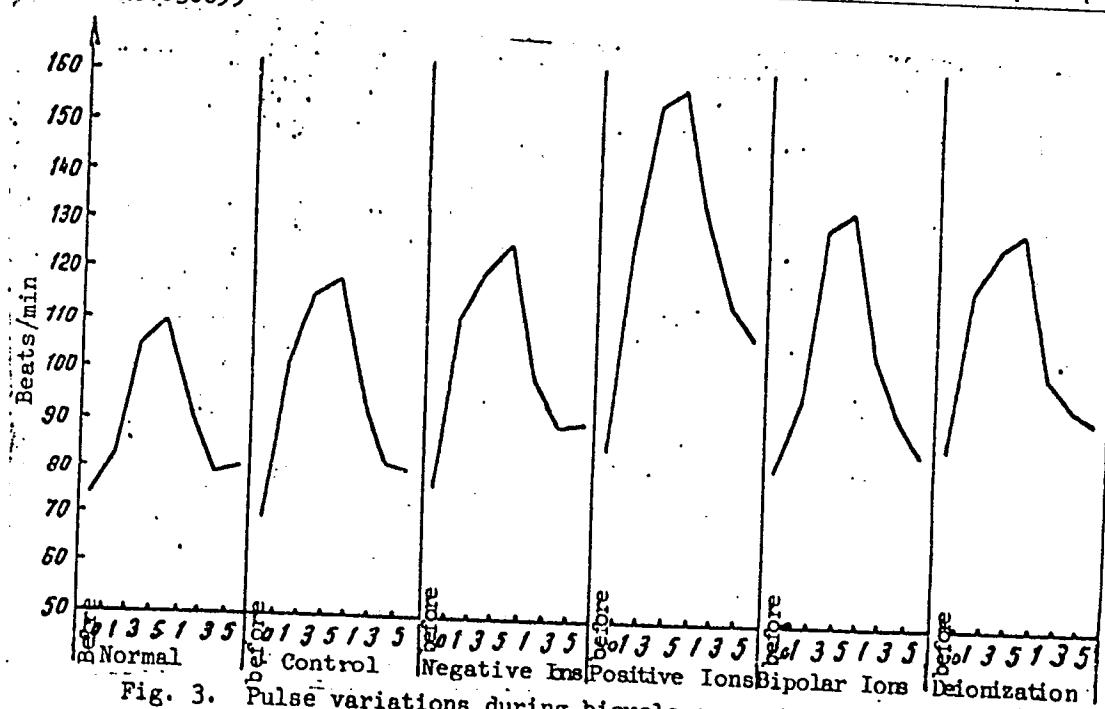


Fig. 2. Pulse dynamics during various experimental regimens

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Card 4/8

Card 5/8

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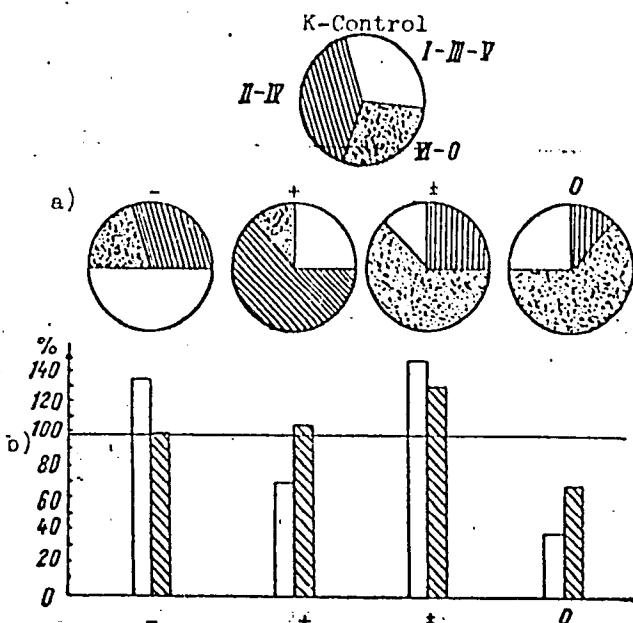


Fig. 5. Comparative characteristics of changes in the strength of neural processes in various experimental regimens (+, -, \*, control)

a - Character of reactivity curves;  
 b - changes in the coefficient of reactivity to light (white) and to opening the eyes (striped).

Card 6/8

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ACC NR: AT6030695

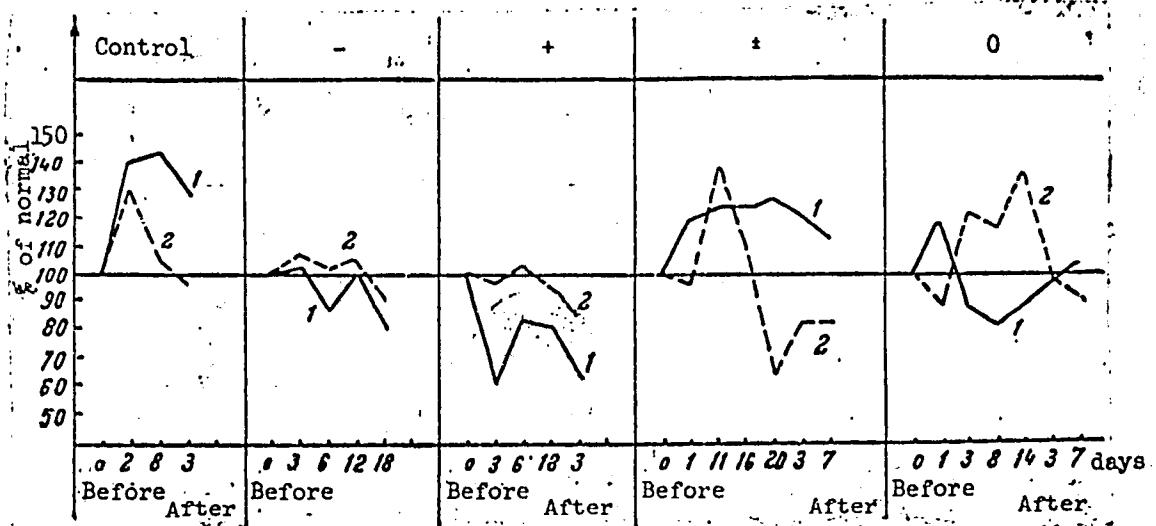


Fig. 6. Changes in the sensitivity of central ( $E_o$ ) and peripheral ( $L_3$ ) components of the visual analyzer (mean values): 1 -  $E_o$ ; 2 -  $L_3$

Card 7/8

ACC NR: AT6036473

SOURCE CODE: UR/0000/66/000/000/0020/0021

AUTHOR: Aleksandryuk, S. P.; Anisimov, B. V.; Komarov, N. N.; Nofedov, Yu. G.; Potapov, A. N.; Sorova, L. V.; Tikhonova, G. P.

ORG: none

TITLE: Air ionization as a spaceflight factor [Paper presented at the Conference on Problems of Space Medicine held in Moscow from 24-27 May 1966]

SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy kosmicheskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 20-21

TOPIC TAGS: aeroionization, closed ecological system, life support system, human physiology, aeroion biologic effect, cosmic radiation biologic effect

ABSTRACT:

The physical and chemical properties of space cabin atmosphere's may be changed by cosmic radiation, which produces ions and dissociated molecules with high (10 to 15 ev) potential energies. The latter have considerable chemical activity. A study was therefore made of the ionization of space cabin air. Radiation equivalent in intensity to average galactic radiation (0.3 ber) produces an atmospheric ion concentration of  $10^5$  mol/cm<sup>3</sup>, which is easily reproduced under laboratory conditions.

Card 1/2

ACC NR: AT6036473

Data from the literature and our own experiments show that air ionization is an active factor causing definite changes in the state of the organism, particularly during stress or injury. Twenty-day experiments have shown that an appropriate air-ion regime can reduce the adverse effects on man of prolonged sojourns in sealed cabins. Single exposures of animals to ionized air caused changes in the resistance of peripheral blood erythrocytes to osmotic hemolysis and in the vital stain sorption properties, shifts in the metabolism of a number of physiologically active substances, changes in the ion permeability of the skin, and increased mitotic activity in the tissues. All these data confirm that even brief exposure to air ions in doses approaching those possible in a space cabin (1 to 5  $10^5$  ion/cm<sup>3</sup>) has a definite effect on the organism.

Because air ionization is an unavoidable spaceflight factor having definite biological effects, its mechanisms of action must be studied further and ways found to realize energy recombination of ions in the living organism.  
[W. A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUB CODE: 00May66

Card 2/2

ANISIMOV, D. F. and SOLOVEY, V. Ya.

"Method of Ultrafiltration with the Use of a Vacuum" - p. 65

Voyenno Meditsinskiy Zhurnal, No. 10, 1962

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5

ANISIMOV, N. I.

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Sbornik Zadach Po Teoreticheskoy I Torgovoy Statistike ( Collection of Problems on Theoretical Trade Statistics, by) N. V. Yudenich, D. I. Anisimov, I V.D. Gavrilin. Moskva, Gosstatgizdat, 1956.  
130 P. Tables.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5"

YUDENICH, N.V., kand. ekonom. nauk; ANISINOV, D.I., starshiy prepodavatel'; KIRAKOZOVA, N.Sh., red.; EL'KINA, E.M., tekhn. red.

[Collection of problems on commercial statistics] Sbornik zadach po torgovoi statistike. Izd.2. Moskva, Gostorgizdat, 1962. 117 p.  
(MIRA 15:6)  
(Commercial statistics--Problems, exercises, etc.)

ANISIMOV, E.V., inzh.

Impregnation of windings during coiling. Priborostroenie no.7:18-19 J1  
'65. (MIRA 18:7)

ANISIMOV, E.V., inzh.; GOMBERIDZE, N.N., inzh.

Gluing with the BU-2 and BF-4 glues. (fiberglass no. 7120-2) J1 '65.  
(MIRA 28(7))

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5

ANTISIMOV, F. A.

Leading district in growing seeds of perennial grasses. Sots.zhiv. 14 No. 5,  
1952

SO: MLRA, August, 1952

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5"

SOMOV, Valentin Ivanovich; EZDRIN, Konstantin Borisovich; ANISIMOV,  
Feliks Vladimirovich, inzh.; UKRAINCHIK, M.M., inzh., red.

[Residential building made of three-dimensional vibration-  
rolled elements; from construction practices in block no.113  
of Novyye Kuz'minki (Moscow)] Zhiloi dom iz ob'emnykh vibro-  
prokatnykh elementov; opyt stroitel'stva v 113 kvartale  
Novykh Kuz'minok (Moskva). Moskva, Gosstroizdat, 1961. 41 p.  
(MIRA 15:8)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut or-  
ganizatsii, mekhanizatsii i tekhnicheskoy poroshchi stroitel'-  
stvu, Byuro tekhnicheskoy informatsii. 2. Glavnnyy inzhener  
konstruktorskogo otdela Moskovskogo instituta tipovogo i ek-  
perimental'nogo proyektirovaniya Moskovskogo gorodskogo sove-  
ta deputatov trudyashchikhsya (for Somov). 3. Rukovoditel'  
gruppy metodicheskikh kabinetov tresta "Mosorgstroy" Glavnogo  
otdeleniya po zhilishchnomu i grazhdanskому stroitel'stvu v  
gorode Moskve (for Ezdrin). 4. Metodicheskiy kabinet tre-  
sta "Mosorgstroy" na zastroyke rayona Novyye Kuz'minki (for  
Anisimov).

(Precast concrete construction)  
(Moscow—Apartment houses)

ANISIMOV, G.

Increase renumeration of industrial workers to stimulate their  
participation in the introduction of modern technology. Vop.  
ekon. no.6:32-35 Je '59. (MIRA 12:9)  
(Efficiency, Industrial) (Bonus system)

ANISIMOV, G.; FAMINSKIY, I.

Problems of increasing labor productivity. Vop. ekon. no.4:  
152-159 Ap '62. (MIRA 15:4)  
(Labor productivity--Congresses)

ANISIMOV, G.; VESELKOV, F.; SOKOLOVSKIY, A.

Summing up the results of an economic discussion. Vop.  
ekon. no.2:144-149 F '64. (MIRA 17:3)

ANISIMOV, G.A., inzh.

Dyeing wool and staple fiber slivers. Tekst.prom. 18 no.12:48  
D '58. (MIRA 11:12)

1. Otdel ratsionalizatsii Krasnodarskogo kamvol'no-sukonnogo kombinata.

(Dyes and dyeing--Wool)

ANISIMOV, Girey Danilovich; YUZBASHEV, V.G., red.; RAKITIN, I.T.,  
tekhn. red.

[Scientific and technological progress during the building of  
communism] Nauchno-tehnicheskii progress v period stroitel'stva  
kommunizma. Moskva, Izd-vo "Znanie," 1962. 45 p. (Novoe v  
zhizni, nauke, tekhnike. III Seriya; Ekonomika, no.24)

(MIRA 15:12)

(Technology) (Automation--Economic aspects)

ANISIMOV, Girey Danilovich; KOMAROVA, T.F., red.; PONOMAREVA, A.A.,  
tekhn. red.

[Principle of material self-interest in the development of new  
technology] Printsip material'noi zainteresovannosti v razviti  
novoi tekhniki. Moskva, Ekonomizdat, 1962. 150 p.

(MIRA 15:7)

(Incentives in industry)

"APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5

ANISIMOV, G. I.

Tree Planting

Acron planting with a tree planting machine. Les. khoz 5 no. 3(42), 1952

Monthly List of Russian Accessions, Library of Congress, July 1952. Unclassified.

APPROVED FOR RELEASE: 04/03/2001

CIA-RDP86-00513R000101620015-5"

ANDREOLETTI Vol'demar Konstantinovich; ANISIMOV, Grigoriy Lukich;  
KAZHDAN, Iosif Genrikhovich; FOMICHEV, A.G., red. Izd-va;  
GVIRTS, V.L., tekhn. red.

[Overall mechanization of electric wiring work at the  
construction site] Kompleksnaia mekhanizatsiia elektromontazh-  
nykh rabot na stroitel'noi ploshchadke. Pod obshchei red.  
N.A.Smirnova. Leningrad, Leningr. dor. nauchno-tekhn. propa-  
gandy, 1961. 34 p. (Biblioteka stroitel'stva po kompleksnoi  
mekhanizatsii i avtomatizatsii stroitel'stva, no.13)

(MIRA 15:8)

(Electric wiring)

ANISIMOV, G.M.; GALYAMICHEV, V.A.; GOL'DBERG, A.M.; DRAKE, A.D.;  
KUZ'MIN, Yu.M.; LYSOCHENKO, A.A.; MAGIROVSKIY, N.P.; FEDOSEYEV, O.V.

Studying the operational conditions of the TDT-55 timber-skidding  
tractor. Trakt. i sel'khozmash. no.11:1-4 N '65.

(MIRA 18:12)

1. Kafedra tyagovykh mashin Lesotekhnicheskoy akademii imeni Kirova  
(for Anisimov, Galyamichev, Gol'berg, Drake). 2. Onezhskiy trak-  
tornyj zavod (for Kuz'min, Lysochenko, Magirovskiy, Fedoseyev).

S/120/63/000/001/002/072  
E032/E314

AUTHORS: Anisimov, G.M. and Teplyakov, V.A.

TITLE: Focusing by an accelerating field

PERIODICAL: Pribory i tekhnika eksperimenta, no. 1, 1963,  
21 - 22

TEXT: Static-field focusing in linear ion-accelerators is complicated and involves considerable power losses. On the other hand, existing methods of focusing by the accelerating field are said to suffer from disadvantages which are due to the fact that the field is two-dimensional. It is shown that if the field is not axially symmetrical, then both the longitudinal and transverse motion of the ions may be made stable without the use of focusing fields. Thus, in a three-dimensional field there are two components of transverse forces so that by ensuring that the average gradient (over the acceleration period) is negative along the entire accelerator, it is possible to ensure that the transverse-force gradients will alternate in sign and thereby achieve a version of "strong" focusing. The process is as follows. The accelerating gap may be looked upon as a system of two lenses: the entrance to Card 1/2.

Focusing by ....

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EO32/E314

the gap is a focusing lens and the exit a defocusing lens. The field configuration may be adjusted in the three-dimensional case, so that in one of the transverse directions the defocusing effect will be reduced so that the gap as a whole will act as a focusing lens. In the next gap the situation will be reversed, and so on, so that the gaps will alternate in the sign of the focusing effect along the accelerator. It may be shown that there is a relation between the optical power of the lenses and the distance between them which will ensure that the system will be a focusing one. Quantitative formulae are derived whereby the longitudinal geometry may be calculated in practice. There is 1 figure.

SUBMITTED: March 14, 1962

Card 2/2

ANISIMOV, I.

Bottled gas units. Zhil.-kom. khos. 8 no.11:24 '58.

(MIRA 11:12)

1. Nachal'nik kontory "Kalininorgaz."  
(Liquefied petroleum gas)